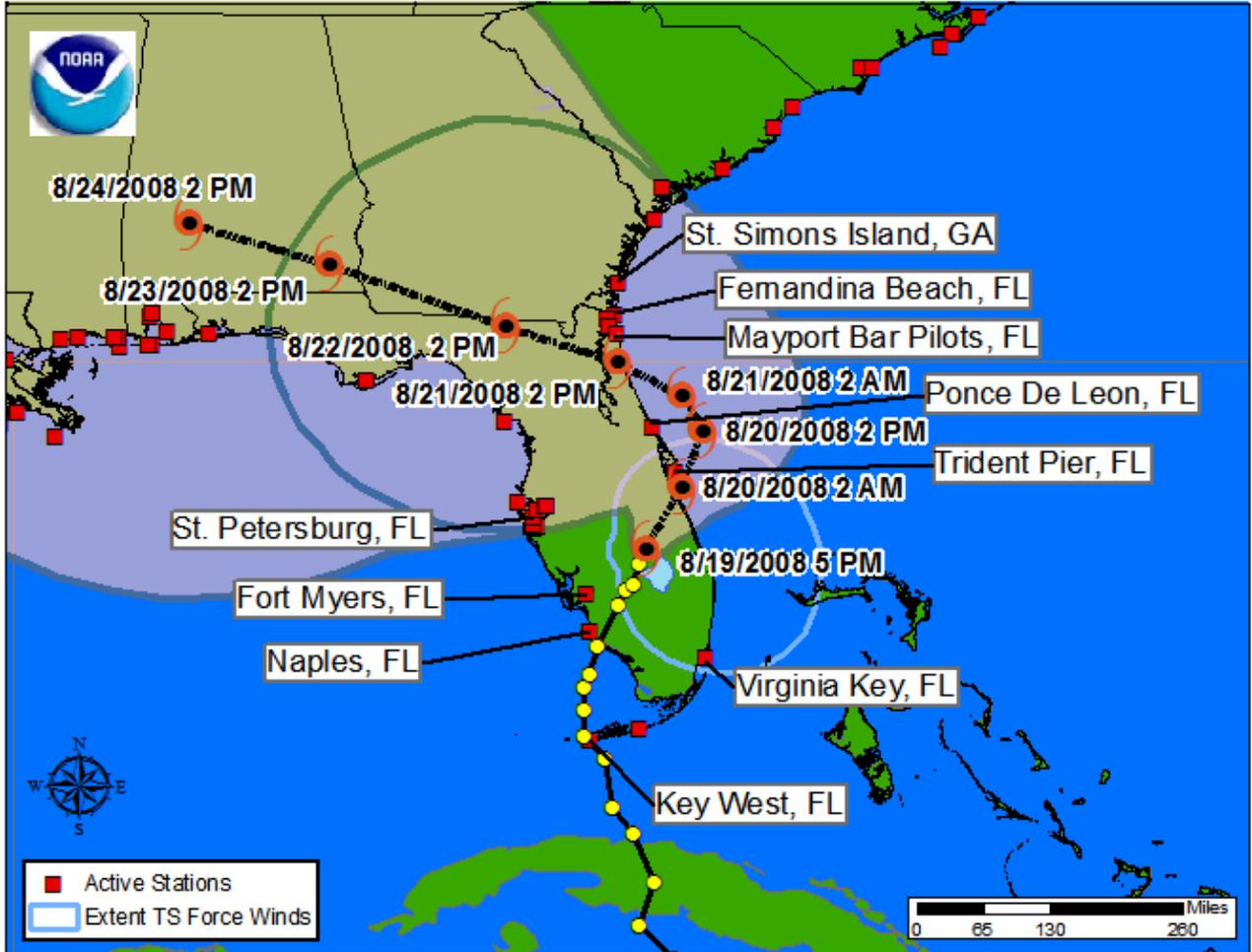




Tropical Storm FAY QuickLook
Posted: 18:00 EDT 08/19/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/19/2008 18:00 EDT, water levels from the Florida Keys to Naples remain elevated about 0.4 to 0.7 feet above predicted. Water levels north of Naples in southwest Florida are at or below predicted. Water levels along eastern Florida range from 0.4 to 1.6 feet above predicted. Wind speeds are falling from the Florida Keys to Fort Myers, with gusts up to 30 knots. Wind gusts up to 20 knots at St. Petersburg, Tampa Bay area. Wind gusts up to 30 knots at Trident Pier, eastern Florida and barometric pressure is falling.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

St. Petersburg, FL: Next predicted high tide is 2.2 ft (0.7 m) at 08/20/2008 04:32 EDT.

Fort Myers, FL: Next predicted high tide is 1.5 ft (0.5 m) at 08/20/2008 06:18 EDT.

Naples, FL: Next predicted high tide is 2.9 ft (0.9 m) at 08/20/2008 02:24 EDT.

Key West, FL: Next predicted high tide is 1.8 ft (0.6 m) at 08/20/2008 00:32 EDT.

Virginia Key, FL: Next predicted high tide is 2.4 ft (0.7 m) at 08/19/2008 23:40 EDT.

Trident Pier, FL: Next predicted high tide is 3.9 ft (1.2 m) at 08/19/2008 22:26 EDT.

Ponce De Leon, FL: Next predicted high tide is 3.3 ft (1.0 m) at 08/19/2008 23:07 EDT.

Mayport Bar Pilots, FL: Next predicted high tide is 5.0 ft (1.5 m) at 08/19/2008 23:13 EDT.

Fernandina Beach, FL: Next predicted high tide is 6.5 ft (2.0 m) at 08/19/2008 23:34 EDT.

St. Simons Island, GA: Next predicted high tide is 7.2 ft (2.2 m) at 08/19/2008 22:47 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: LF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM FAY ADVISORY NUMBER 17
500 PM EDT TUE AUG 19 2008

...FAY HEADING NORTH-NORTHEASTWARD ACROSS EAST CENTRAL FLORIDA...

AT 5 PM EDT THE TROPICAL STORM WARNING FOR THE FLORIDA
EAST COAST FROM JUPITER SOUTHWARD HAS BEEN DISCONTINUED.

A TROPICAL STORM WARNING REMAINS IN EFFECT ALONG THE EAST COAST OF
FLORIDA FROM NORTH OF JUPITER TO FLAGLER BEACH INCLUDING LAKE
OKEECHOBEE.

AT 5 PM EDT A HURRICANE WATCH HAS BEEN ISSUED FOR THE
FLORIDA EAST COAST NORTH OF FLAGLER BEACH TO ALTAMAHA SOUND...
GEORGIA AND A TROPICAL STORM WATCH HAS BEEN ISSUED FROM NORTH OF
ALTAMAHA SOUND TO THE SAVANNAH RIVER.

AT 500 PM EDT THE CENTER OF TROPICAL STORM FAY WAS LOCATED
NEAR ABOUT 60 MILES SOUTH-SOUTHWEST OF MELBOURNE FLORIDA.

FAY IS MOVING TOWARD THE NORTH-NORTHEAST NEAR 8 MPH AND THIS GENERAL
MOTION IS EXPECTED TONIGHT. A GRADUAL

TURN TO THE NORTH WITH A DECREASE IN FORWARD SPEED IS ANTICIPATED ON WEDNESDAY. THIS TRACK SHOULD BRING FAY OVER WATER NEAR THE EAST COAST OF NORTH FLORIDA DURING THE NEXT 24 TO 36 HOURS.

MAXIMUM SUSTAINED WINDS ARE NEAR 65 MPH WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES FROM THE CENTER. A SOUTH FLORIDA WATER MANAGEMENT STATION ALONG THE CENTRAL KISSIMMEE RIVER RECENTLY REPORTED A WIND GUST OF 60 MPH.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 986 MB.

FAY IS EXPECTED TO PRODUCE RAINFALL ACCUMULATIONS OF 5 TO 10 INCHES OVER THE SOUTHERN AND EAST-CENTRAL FLORIDA PENINSULA WITH MAXIMUM TOTAL AMOUNTS OF 15 INCHES. ACCUMULATIONS OF 3 TO 5 INCHES ARE POSSIBLE IN THE NORTHWESTERN BAHAMAS.

STORM TIDES OF 1 TO 3 FEET ABOVE NORMAL ARE POSSIBLE ALONG THE EAST COAST OF FLORIDA AS FAY APPROACHES.

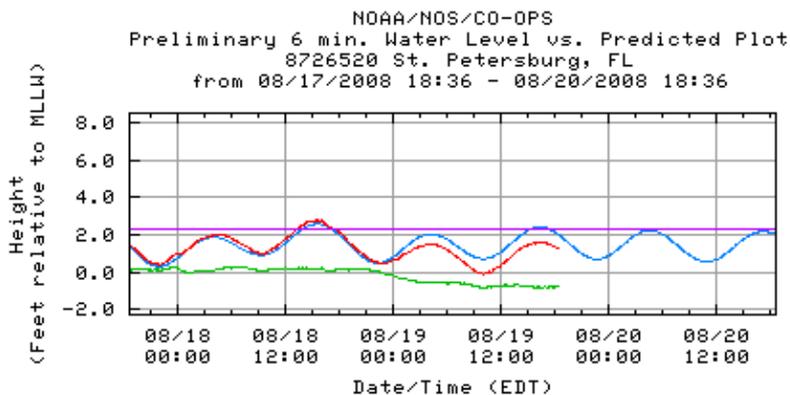
ISOLATED TORNADOES ARE POSSIBLE TODAY OVER PORTIONS OF EAST-CENTRAL FLORIDA PENINSULA.

FORECASTER AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [St. Petersburg - Air/Water Temp](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [Fort Myers - Air/Water Temp](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Naples - Air/Water Temp](#), [Key West - Water Level](#), [Key West - Winds](#), [Key West - Barometric](#), [Key West - Air/Water Temp](#), [Virginia Key - Water Level](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Trident Pier - Air/Water Temp](#), [Ponce De Leon Inlet South - Water Level](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fernandina Beach - Air/Water Temp](#), [St.Simons Island - Water Level](#),

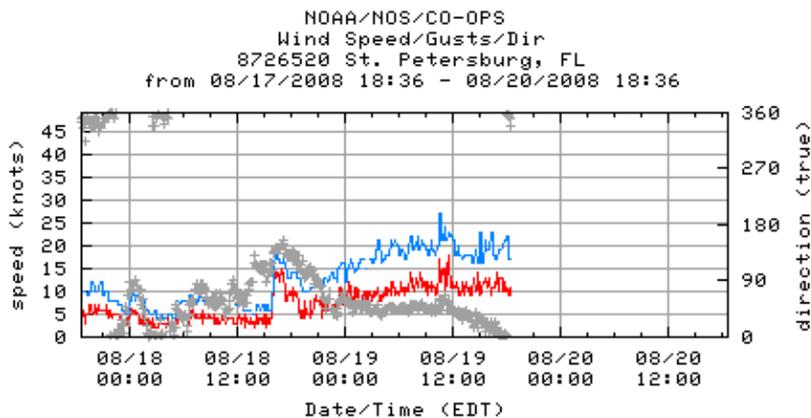
St. Petersburg, FL - Station Map [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/19/2008 18:24 (EDT)
 Relative to **MLLW**: **Observed: 1.25 ft. Predicted: 2.01 ft. Residual: -0.76 ft.**
 Historical Maximum Water Level: 08/31/1985, 4 ft. above **MHHW**

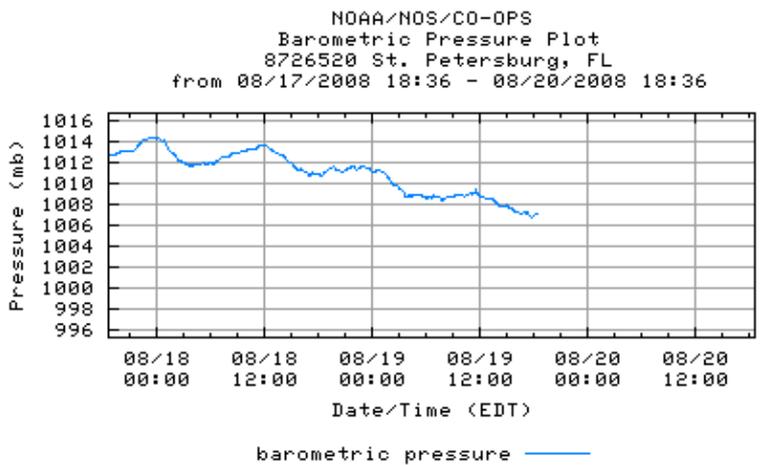
St. Petersburg, FL - Station Map [Return to List](#)



speed ——— gusts ——— direction +

Last Observed Sample: 08/19/2008 18:24 (EDT)
Wind Speed: 9 knots Gusts: 17 knots Direction: 339° T

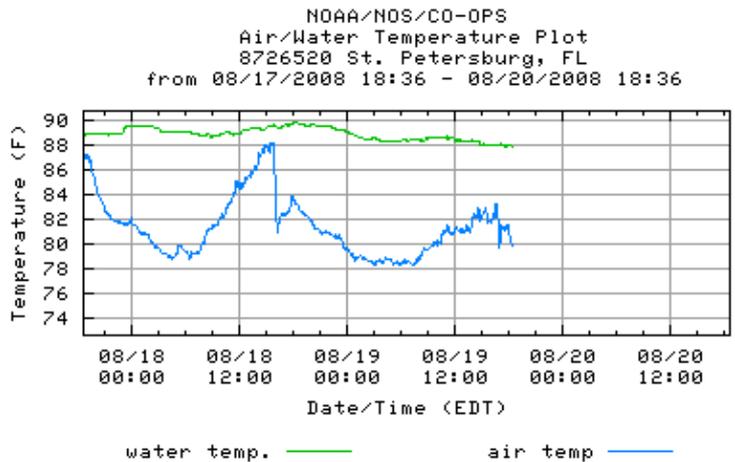
St. Petersburg, FL - Station Map [Return to List](#)



Last Observed Sample: 08/19/2008 18:24 (EDT)

Barometric Pressure: 1007.1 mb

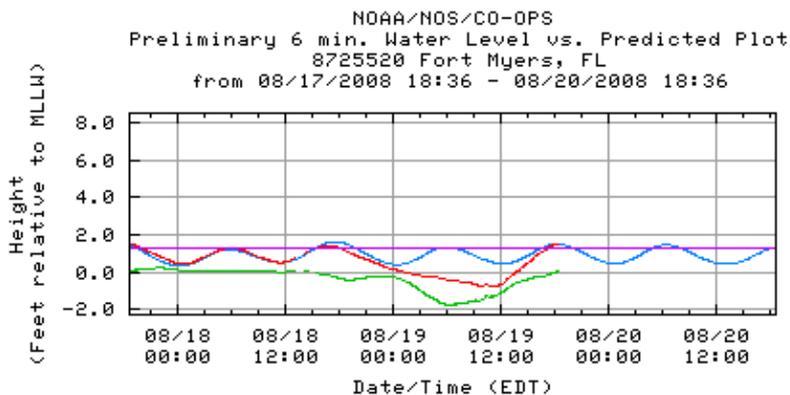
St. Petersburg, FL - Station Map [Return to List](#)



Last Observed Sample: 08/19/2008 18:24 (EDT)

Water Temperature: 87.9° F Air Temperature: 79.9° F

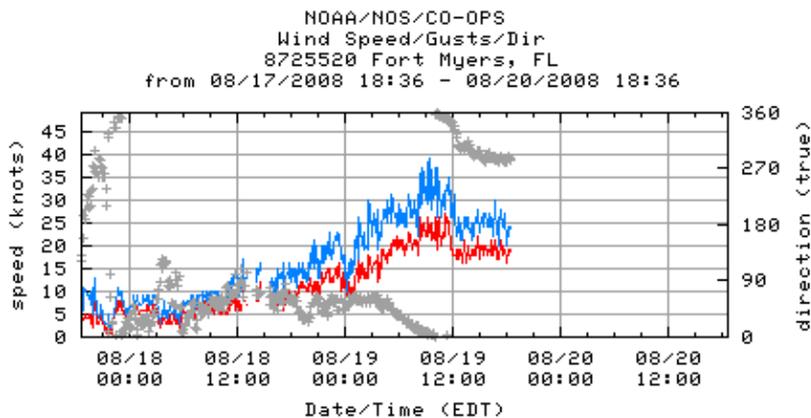
Fort Myers, FL - Station Map [Return to List](#)



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 08/19/2008 18:24 (EDT)
 Relative to **MLLW**: **Observed: 1.54 ft. Predicted: 1.50 ft. Residual: 0.04 ft.**
 Historical Maximum Water Level: 11/23/1988, 3.41 ft. above **MHHW**

Fort Myers, FL - Station Map [Return to List](#)

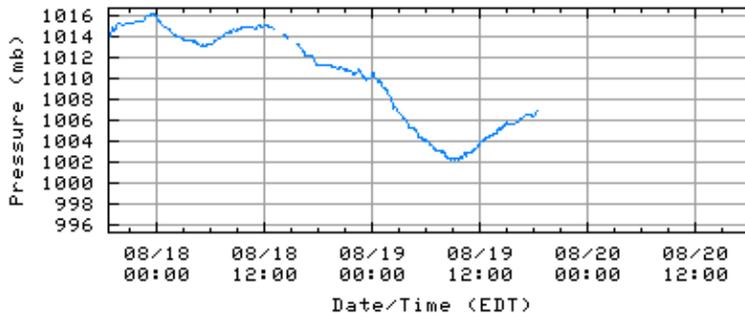


speed — gusts — direction +

Last Observed Sample: 08/19/2008 18:24 (EDT)
Wind Speed: 19 knots Gusts: 24 knots Direction: 284° T

Fort Myers, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8725520 Fort Myers, FL
from 08/17/2008 18:36 - 08/20/2008 18:36



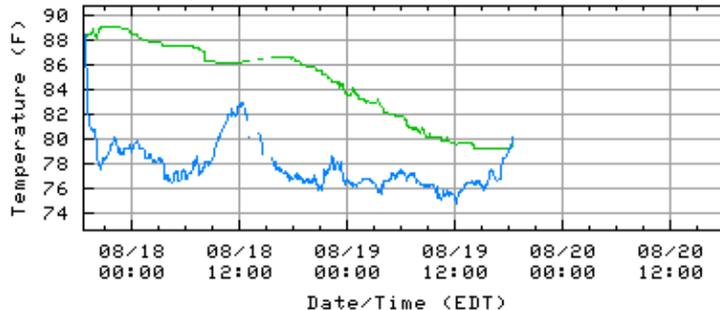
barometric pressure —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Barometric Pressure: 1007.0 mb

Fort Myers, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8725520 Fort Myers, FL
from 08/17/2008 18:36 - 08/20/2008 18:36

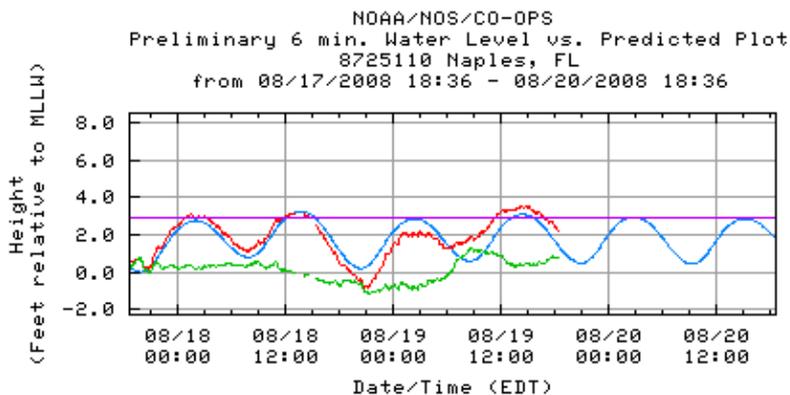


water temp. — air temp —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Water Temperature: 79.5° F Air Temperature: 80.1° F

Naples, FL - Station Map [Return to List](#)



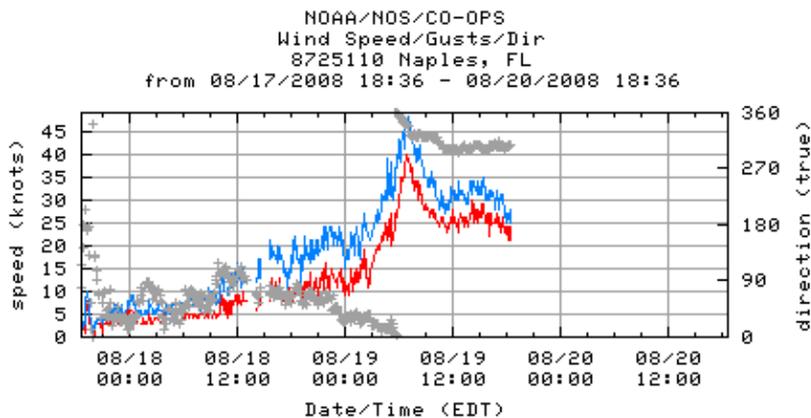
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/19/2008 18:24 (EDT)

Relative to **MLLW**: **Observed: 2.21 ft. Predicted: 1.40 ft. Residual: 0.81 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

Naples, FL - Station Map [Return to List](#)



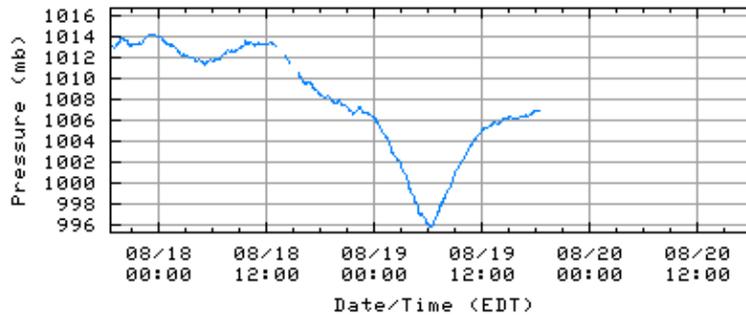
speed ——— gusts ——— direction +

Last Observed Sample: 08/19/2008 18:24 (EDT)

Wind Speed: 24 knots Gusts: 28 knots Direction: 307° T

Naples, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8725110 Naples, FL
from 08/17/2008 18:36 - 08/20/2008 18:36



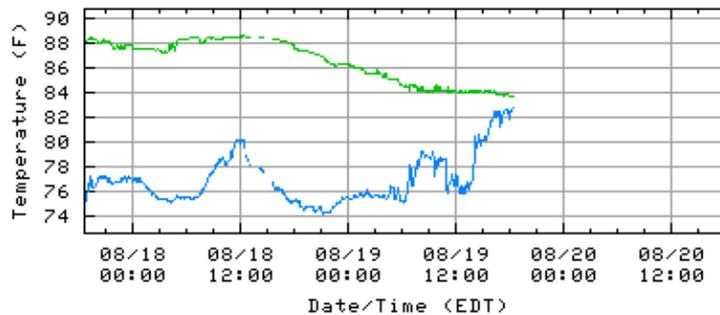
barometric pressure —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Barometric Pressure: 1007.0 mb

Naples, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8725110 Naples, FL
from 08/17/2008 18:36 - 08/20/2008 18:36

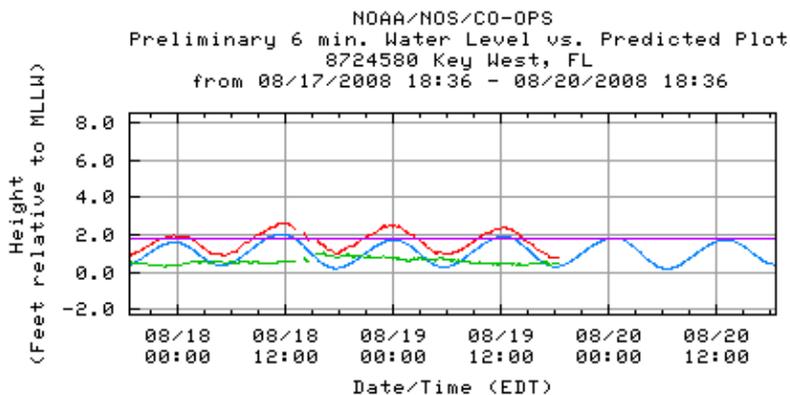


water temp. — air temp —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Water Temperature: 83.7° F Air Temperature: 82.8° F

Key West, FL - Station Map [Return to List](#)



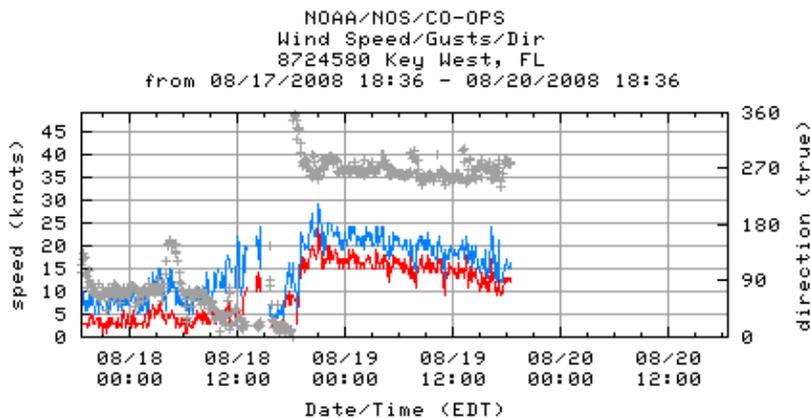
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Relative to **MLLW**: **Observed: 0.81 ft. Predicted: 0.32 ft. Residual: 0.49 ft.**

Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

Key West, FL - Station Map [Return to List](#)



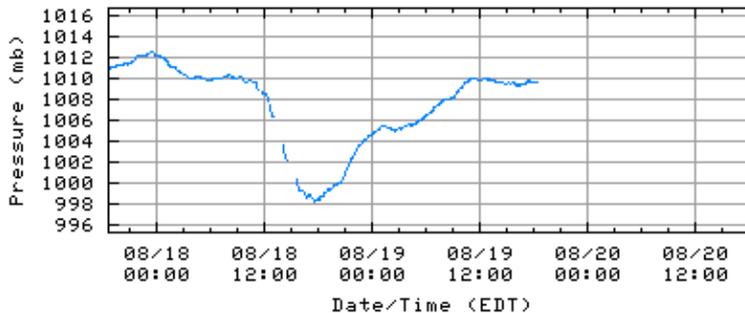
speed — gusts — direction +

Last Observed Sample: 08/19/2008 18:24 (EDT)

Wind Speed: 12 knots Gusts: 15 knots Direction: 278° T

Key West, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8724580 Key West, FL
from 08/17/2008 18:36 - 08/20/2008 18:36



barometric pressure —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Barometric Pressure: 1009.7 mb

Key West, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8724580 Key West, FL
from 08/17/2008 18:36 - 08/20/2008 18:36

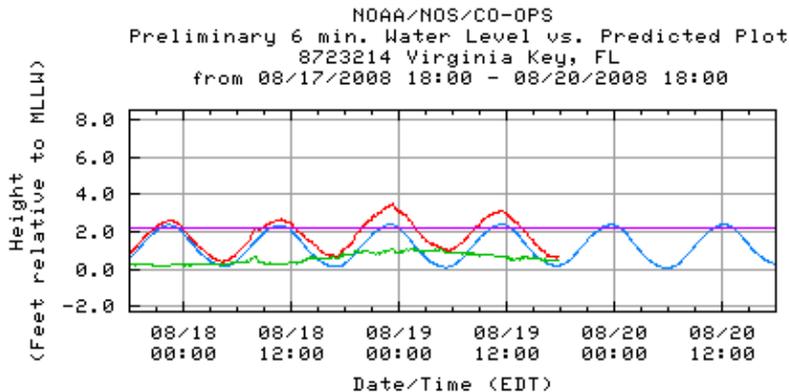


water temp. — air temp. —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Water Temperature: 84.9° F Air Temperature: 85.8° F

Virginia Key, FL - Station Map [Return to List](#)



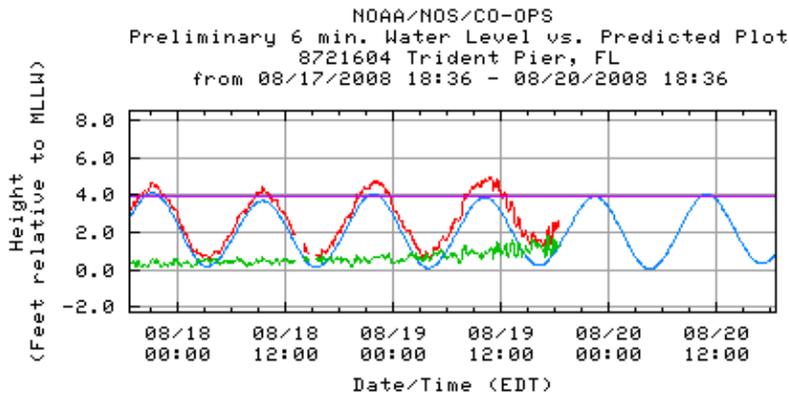
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/19/2008 17:48 (EDT)

Relative to **MLLW**: **Observed: 0.64 ft. Predicted: 0.20 ft. Residual: 0.44 ft.**

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

Trident Pier, FL - Station Map [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

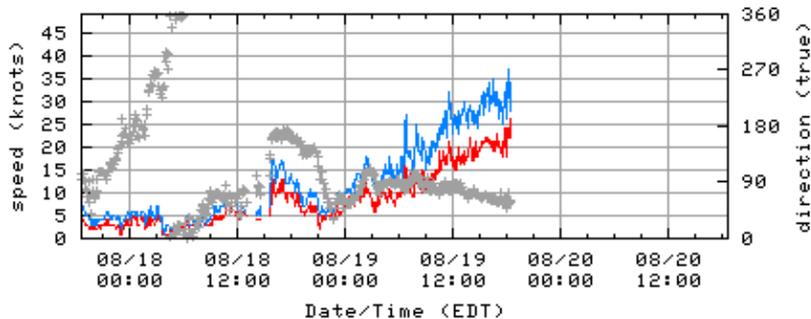
Last Observed Sample: 08/19/2008 18:24 (EDT)

Relative to **MLLW**: **Observed: 2.57 ft. Predicted: 1.25 ft. Residual: 1.32 ft.**

Historical Maximum Water Level: 09/16/2001, 2.28 ft. above **MHHW**

Trident Pier, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8721604 Trident Pier, FL
from 08/17/2008 18:36 - 08/20/2008 18:36



speed — gusts — direction +

Last Observed Sample: 08/19/2008 18:24 (EDT)

Wind Speed: 26 knots Gusts: 34 knots Direction: 059° T

Trident Pier, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8721604 Trident Pier, FL
from 08/17/2008 18:36 - 08/20/2008 18:36



barometric pressure —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Barometric Pressure: 1006.0 mb

Trident Pier, FL - Station Map [Return to List](#)

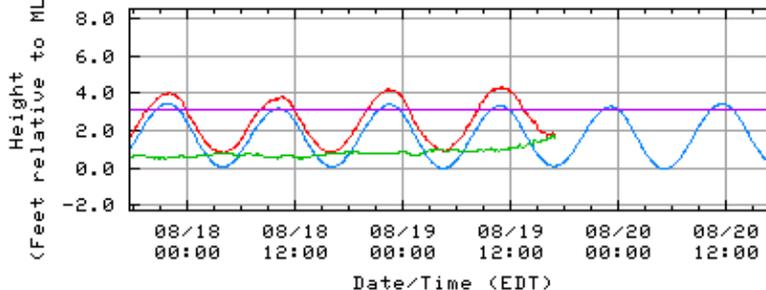
NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8721604 Trident Pier, FL
 from 08/17/2008 18:36 - 08/20/2008 18:36



water temp. — air temp —
Last Observed Sample: 08/19/2008 18:24 (EDT)
Water Temperature: n/a Air Temperature: 76.5° F

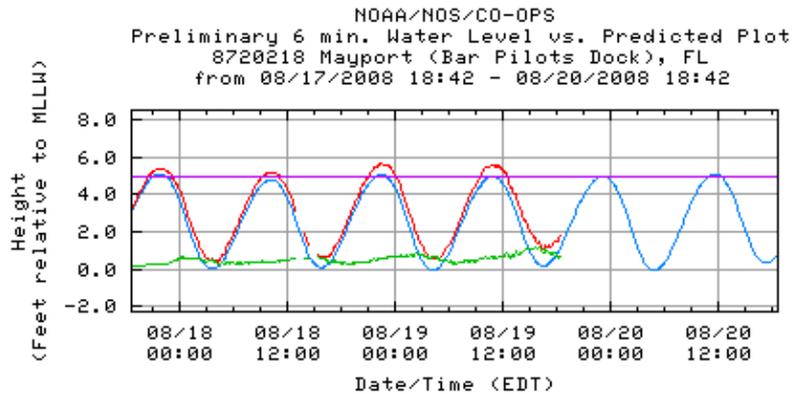
Ponce De Leon Inlet South, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8721147 Ponce De Leon Inlet South, FL
 from 08/17/2008 17:30 - 08/20/2008 17:30



Last Observed Sample: 08/19/2008 16:54 (EDT)
Relative to MLLW: Observed: 1.71 ft. Predicted: 0.10 ft. Residual: 1.61 ft.
Historical Maximum Water Level: n/a

Mayport (Bar Pilots Dock), FL - Station Map [Return to List](#)



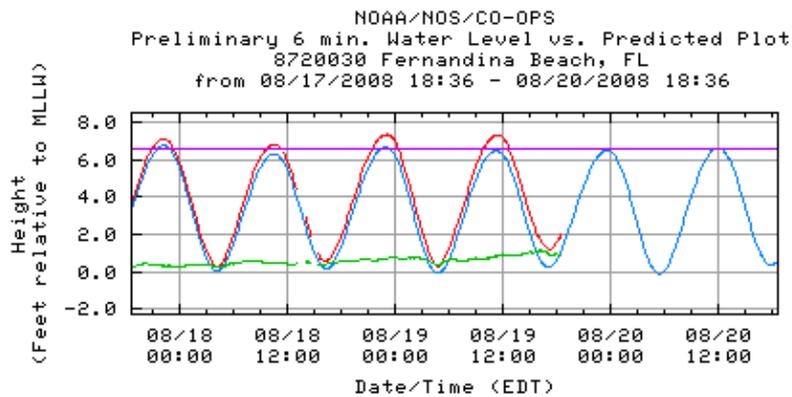
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/19/2008 18:24 (EDT)

Relative to **MLLW**: **Observed: 1.82 ft. Predicted: 1.11 ft. Residual: 0.71 ft.**

Historical Maximum Water Level: 09/17/2001, 2.15 ft. above **MHHW**

Fernandina Beach, FL - Station Map [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

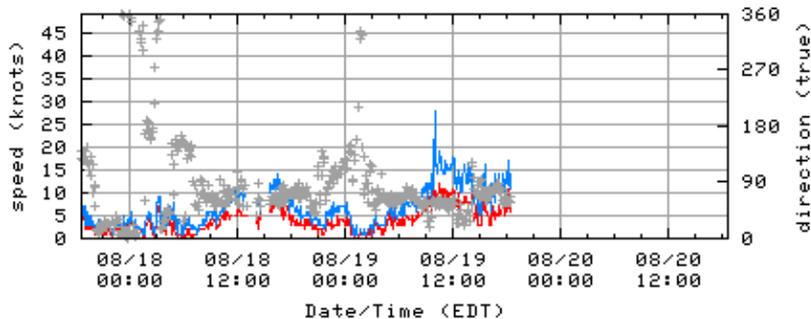
Last Observed Sample: 08/19/2008 18:24 (EDT)

Relative to **MLLW**: **Observed: 1.99 ft. Predicted: 1.07 ft. Residual: 0.92 ft.**

Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

Fernandina Beach, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
8720030 Fernandina Beach, FL
from 08/17/2008 18:36 - 08/20/2008 18:36



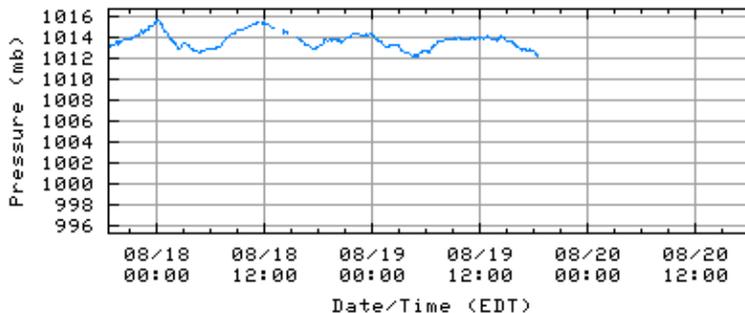
speed — gusts — direction +

Last Observed Sample: 08/19/2008 18:24 (EDT)

Wind Speed: 10 knots Gusts: 14 knots Direction: 058° T

Fernandina Beach, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8720030 Fernandina Beach, FL
from 08/17/2008 18:36 - 08/20/2008 18:36



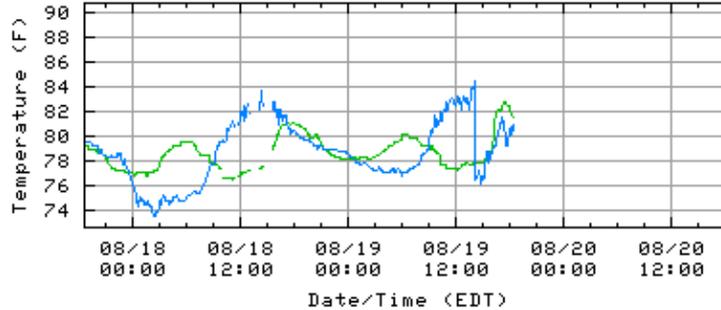
barometric pressure —

Last Observed Sample: 08/19/2008 18:24 (EDT)

Barometric Pressure: 1012.3 mb

Fernandina Beach, FL - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8720030 Fernandina Beach, FL
 from 08/17/2008 18:36 - 08/20/2008 18:36



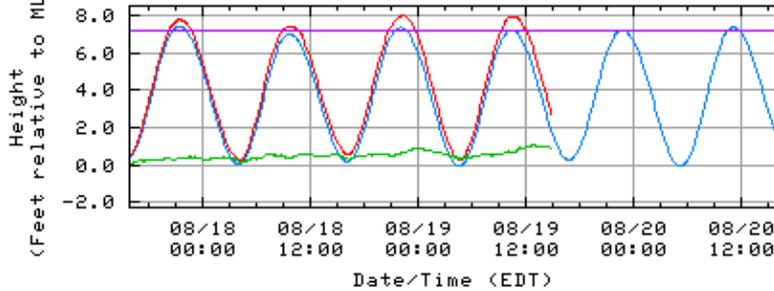
water temp. ——— air temp ———

Last Observed Sample: 08/19/2008 18:24 (EDT)

Water Temperature: 81.5° F Air Temperature: 80.4° F

St.Simons Island, GA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8677344 St.Simons Island, GA
 from 08/17/2008 15:54 - 08/20/2008 15:54



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 08/19/2008 14:54 (EDT)

Relative to **MLLW**: Observed: 2.73 ft. Predicted: 1.83 ft. Residual: 0.90 ft.

Historical Maximum Water Level: 07/22/2001, 2.41 ft. above **MHHW**

Tropical Storm FAY QuickLook, POSTED 18:00 EDT 08/19/2008

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce